

Converting Colors

XYZ(75.7446, 84.4482, 31.3768)

Have a look what the booklet for
XYZ(75.7446, 84.4482, 31.3768)
contains.

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Color

**XYZ(75.7446, 84.4482,
31.3768)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEF7C
RGB	255, 239, 124
RGB Percent	100%, 94%, 49%
CMY	0.0000, 0.0627, 0.5137
CMYK	0.00, 0.06, 0.51, 0.00
HSL	53°, 100%, 74%
HSV	53°, 51%, 100%
XYZ	75.7446, 84.4482, 31.3768
YIQ	230.6740, 46.4510, -32.3730

Conversions

Conversions Part 2

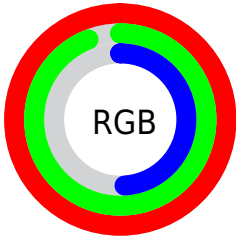
Format	Color
RYB	142, 255, 124
Decimal	16772988
CIELab	93.64, -9.05, 56.94
CIELCh	94, 57.654, 99.026
Yxy	84.4482, 0.3954, 0.4408
Android (android.graphics.Color)	4294963068 (0xFFFFEF7C)
YUV	230.6740, -52.5903, 21.3339
Hunter-Lab	91.8957, -13.6897, 44.0831

Details

The XYZ color **75.7446, 84.4482, 31.3768** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **35.7402, 30.2605, 98.5646**, and the grayscale version is **76.0695, 80.0310, 87.1538**.

A 20% lighter version of the original color is **85.1367, 96.0347, 56.6972**, and **40.8358, 46.0577, 12.6990** is the 20% darker color. If you saturate the color by 10%, you get **73.4331, 82.0808, 23.6531**, and if you desaturate by 10%, it is **78.4928, 87.0216, 41.3048**.

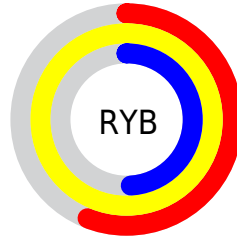
Distribution



Red (100%)

Green (94%)

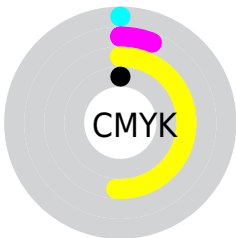
Blue (49%)



Red (56%)

Yellow (100%)

Blue (49%)

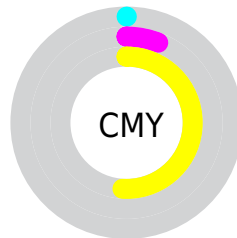


Cyan (0%)

Magenta (6%)

Yellow (51%)

Black (0%)



Cyan (0%)


Magenta (6%)

Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.7446, 84.4482, 31.3768 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 75.7446, 84.4482, 31.3768 by changing the saturation by 10% instead.


 75.7446, 84.4482,
31.3768

 75.7446, 84.4482,
31.3768


469.4308,
509.8004, 322.6753


 56.5194, 63.3855,
20.6251


 126.3481,
139.6020, 62.9193

 40.8582, 46.1532,
12.6617


 158.4571,
174.4619, 84.5472

 28.3955, 32.3667,
7.0680


 195.5915,
214.6896, 110.6376

 18.7659, 21.6418,
3.4256

238.1166,
260.6697, 141.6089

 11.6043, 13.5939,
1.3158

286.3977,
312.7864, 177.8799

 6.5451, 7.8388,
0.0747

340.8002,

 3.2231, 3.9920,

371.4241, 219.8689

0.0000

401.6894,
436.9674, 267.9945

■ 1.2728, 1.6691,
0.0000

■ 0.1627, 0.4035,
0.0000

■ 75.7446, 84.4482,
31.3768

■ 75.7446, 84.4482,
31.3768

■ 73.4331, 82.0808,
23.6531

■ 78.4928, 87.0216,
41.3048

■ 71.5193, 79.8944,
17.9556

■ 81.7010, 89.8012,
53.5864

■ 69.9674, 77.8777,
14.0871

■ 85.3981, 92.8016,
68.3640

■ 68.7319, 76.0122,
11.8085

■ 89.6087, 96.0329,
85.7672

■ 67.8599, 74.4999,
10.8033

94.3558, 99.5045,
105.9165

95.0499, 99.9999,
108.9000

Harmonies

Analogous

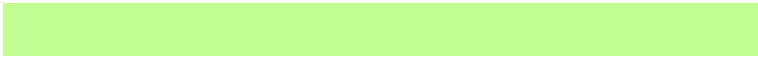
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.2458, 84.4482, 33.6424



75.7446, 84.4482, 31.3768



63.1532, 84.4482, 40.8558

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.7446, 84.4482, 31.3768



59.5397, 84.4482, 155.7468



110.9371, 84.4482, 125.4693

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



75.7446, 84.4482, 31.3768



35.7402, 30.2605, 98.5646

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.2194, 84.4482, 174.0120



75.7446, 84.4482, 31.3768



70.2034, 84.4482, 194.9966

Square

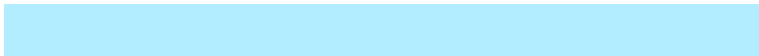
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.7446, 84.4482, 31.3768



54.6092, 84.4482, 105.7898



84.9628, 84.4482, 202.5736



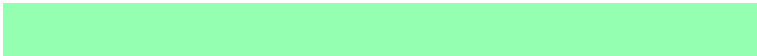
112.9123, 84.4482, 79.3727

Rectangle

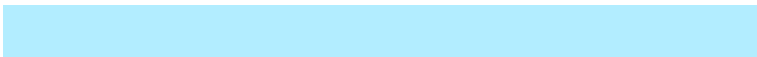
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.7446, 84.4482, 31.3768



57.6218, 84.4482, 55.0938



84.9628, 84.4482, 202.5736



108.1778, 84.4482, 142.3967

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



75.7466, 84.4521, 31.3785



88.0202, 94.8333, 79.1408



53.2907, 37.6132, 29.8342



18.6492, 20.1521, 16.1505



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

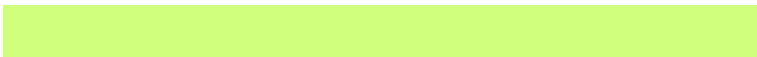
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.7466, 84.4521, 31.3785



73.3015, 81.9383, 23.2371



65.1213, 86.2359, 32.2828



19.3608, 20.6898, 19.1174



35.5331, 39.0774, 5.6699



3.5107, 3.9068, 0.5690

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



35.7402, 30.2605, 98.5646



29.2378, 22.2933, 97.3698



42.2790, 30.4108, 98.2490



17.1816, 17.7349, 22.7676



9.7449, 4.3994, 49.7701



1.0028, 0.5363, 4.8639

Previews

White Background



This preview shows how the XYZ color 75.7446, 84.4482, 31.3768 looks on a white background.

Color Contrast Check

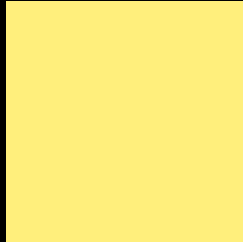
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 75.7446, 84.4482, 31.3768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.7446, 84.4482, 31.3768

Background



This preview shows how black text looks on a background with the XYZ color 75.7446, 84.4482, 31.3768.



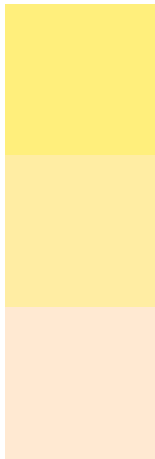
This preview shows how white text looks on a background with the XYZ color 75.7446, 84.4482,

31.3768.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

75.7446, 84.4482, 31.3768

Protanopia

78.1350, 84.4727, 46.8370

Deuteranopia

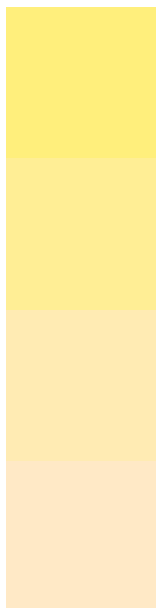
82.0118, 84.1910, 72.9008



Tritanopia

85.4140, 84.2045, 94.9704

Trichromacy



Original Color

75.7446, 84.4482, 31.3768

Protanomaly

77.2394, 84.5790, 40.6882

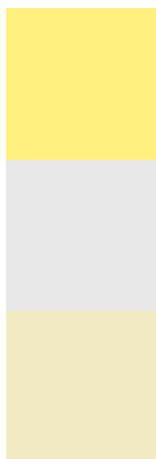
Deuteranomaly

79.0850, 83.9313, 54.6800

Tritanomaly

80.5720, 83.6150, 65.3188

Monochromacy



Original Color

75.7446, 84.4482, 31.3768

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

74.8724, 81.1767, 61.5916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.7446, 84.4482, 31.3768 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 239, 124)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 124)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 239, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 124) }
```

Border

The CSS property to change the border of an element to XYZ 75.7446, 84.4482, 31.3768 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 239, 124) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 239, 124) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 239, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 124);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 75.7446, 84.4482, 31.3768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 124) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
239, 124) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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